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SEP 12 2006

Docket No.: 04-04 US

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 5, line 31 with the following:

The scroll pump further includes a synchronization device 140 coupled between orbiting scroll plate 34 and a stationary component of the vacuum pump, such as frame 18. The synchronization device 140 provides synchronization between orbiting scroll blade 32 and stationary scroll blade 30 during orbiting motion of scroll blade 32 and supports the axial loads produced during pump operation. Since the synchronization device 140 supports axial loads, pump bearing design is simplified and bearing cost is reduced in comparison with prior art scroll pumps. As described below, synchronization device 140 includes a strip or band having connected, substantially flat sections, which may form a generally square configuration (see Fig. 3) as viewed along axis 76 (see Figs. 1 and 2). Synchronization device 140 is coupled to orbiting scroll element 46 by bolts 142 and 144 and is coupled to frame 18 by bolts 146 and 148.